

FIG. 1

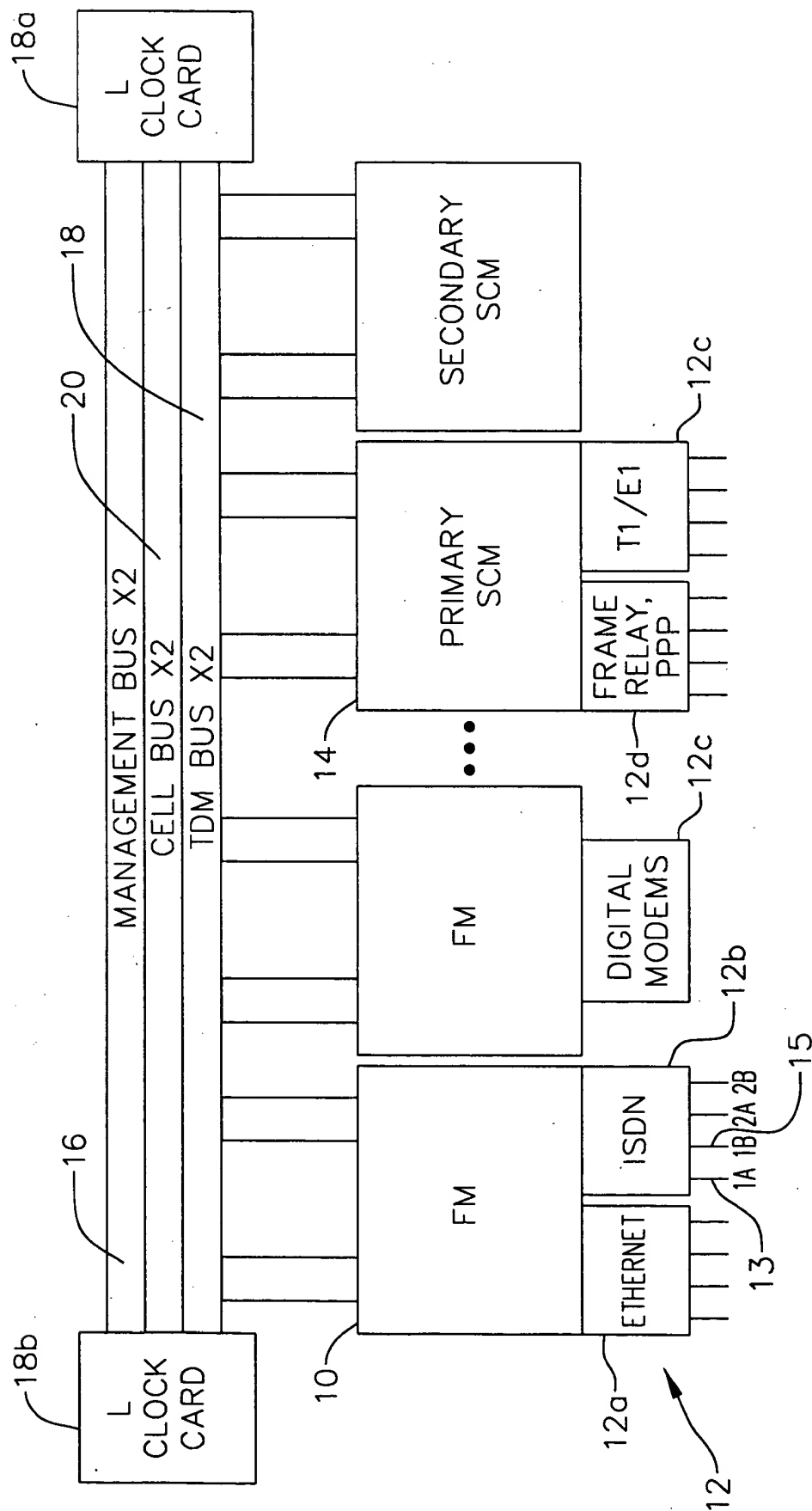


FIG. 2

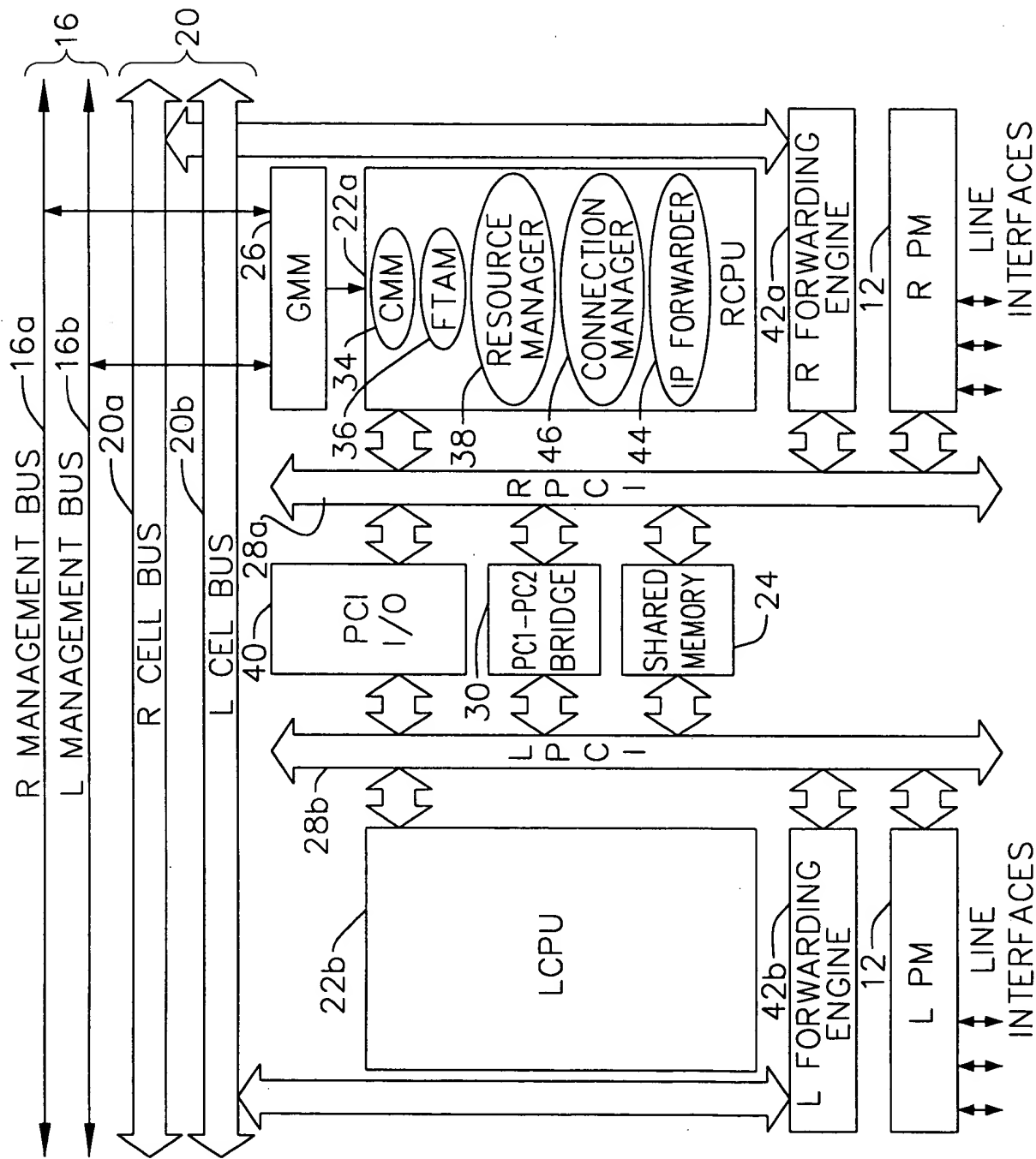


FIG. 3

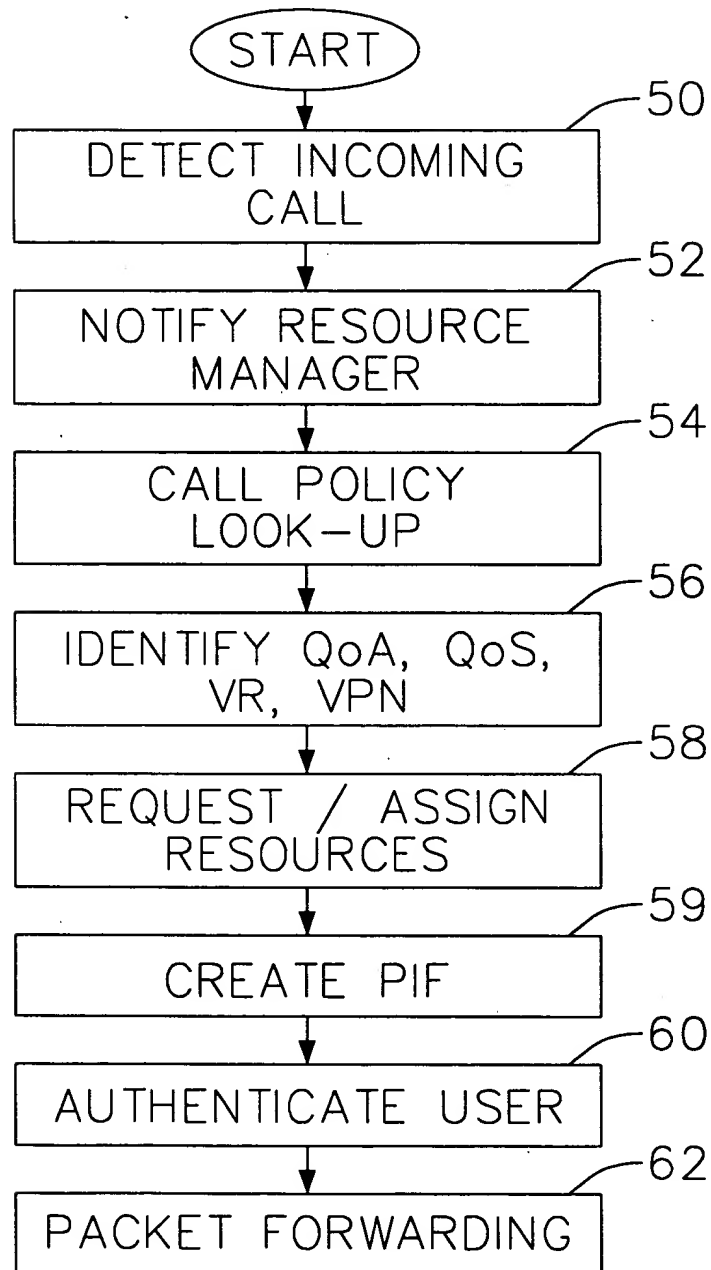
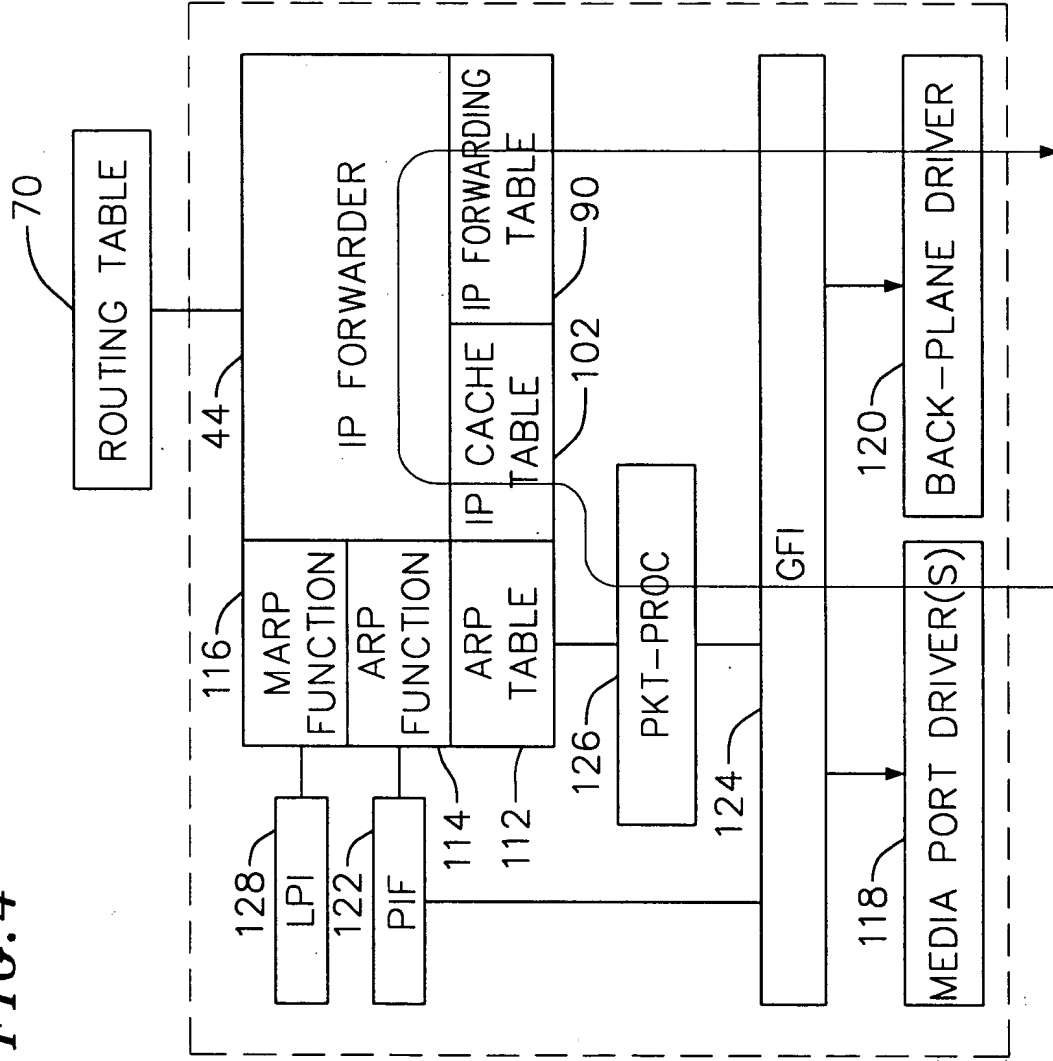


FIG. 4



IP Route Table:

Total Routes: 32

72 74 76 78 80 70

Destination	Subnet Mask	NextHop	Owner	Cost
0.0.0.0	0.0.0.0	206.169.142.9	STATIC	1
0.0.0.0	0.0.0.0	206.169.114.17	STATIC	2
0.0.0.0	0.0.0.0	10.1.205.18	OSPFE	11
10.180.180.0	255.255.255.248	10.1.205.18	OSPFE	11
10.3.1.16	255.255.255.240	10.1.130.2	OSPFE	20 :2
10.2.215.64	255.255.255.240	10.1.130.1	OSPF1	20
10.3.215.64	255.255.255.240	10.1.130.2	OSPF1	20
10.2.215.0	255.255.255.192	10.1.130.1	OSPF2	30
10.3.215.0	255.255.255.192	10.1.130.2	OSPF2	30
10.3.215.128	255.255.255.192	10.1.130.2	OSPF2	130
10.1.54.0	255.255.255.0	DIRECT	DIAL-POOL 1	
10.131.71.0	255.255.255.0	10.1.205.18	OSPFE	11
10.1.0.0	255.255.0.0	DIRECT	LOCAL	1
10.181.0.0	255.255.0.0	10.1.205.18	OSPFE	11
10.87.0.0	255.255.0.0	10.1.205.18	OSPFE	11
10.89.0.0	255.255.0.0	10.1.205.18	OSPFE	11
10.91.0.0	255.255.0.0	10.1.205.18	OSPFE	12
10.200.0.0	255.255.0.0	10.1.205.18	OSPFE	20
10.77.0.0	255.255.0.0	10.1.51.200	OSPF1	110
11.22.33.0	255.255.255.0	10.1.16.16	OSPF1	110
206.169.114.16	255.255.255.252	DIRECT	LOCAL	1
206.169.114.152	255.255.255.248	DIRECT	DIAL-POOL 1	
206.169.114.136	255.255.255.248	DIRECT	DIAL-POOL 1	

Press Enter to Continue, Any other key followed by Enter to Abort:

Fig. 5

Actual IPF Table Entries: 12

Fig. 6

Total IP Cache Entries: 3

Destination ¹⁰⁴	Source ¹⁰⁶	Out Port ¹⁰⁸	Header ¹¹⁰
207.200.77.45	206.169.114.138	Fr.1.5.2.3.1	08001000cca97211
206.169.114.	142 10.1.1.25	Mo.1.3.1.1.29	0800201dcca9728e
198.41.0.5	206.169.114.138	Fr.1.5.2.3.1	08000000cca97211

102

Fig. 7

112

IP ARP Table:			
	200	202	204
IP Address	MAC Address	Physical Port	Type(*)
10.1.1.101	00-ff-4a-3d-2f-1a	En.1.3.1.1.1.	S
10.1.5.100	00-ff-ff-01-ff-20	En.1.3.2.1.1.	D
150.140.140.30	08-00-09-ff-65-ff	En.1.3.1.1.14	LB
147.128.128.60	08-00-09-ff-38-38	En.1.3.1.1.10	D
10.1.5.109	00-ff-ff-04-02-ff	En.1.3.2.1.8	S
(*) R: Rmt, L: Lcl, D: Dyn, S: Stat, P: Pt2Pt, T: Route and B: Bcast			
Total Arp Table Entries: 5			

Fig. 8

FIG. 9

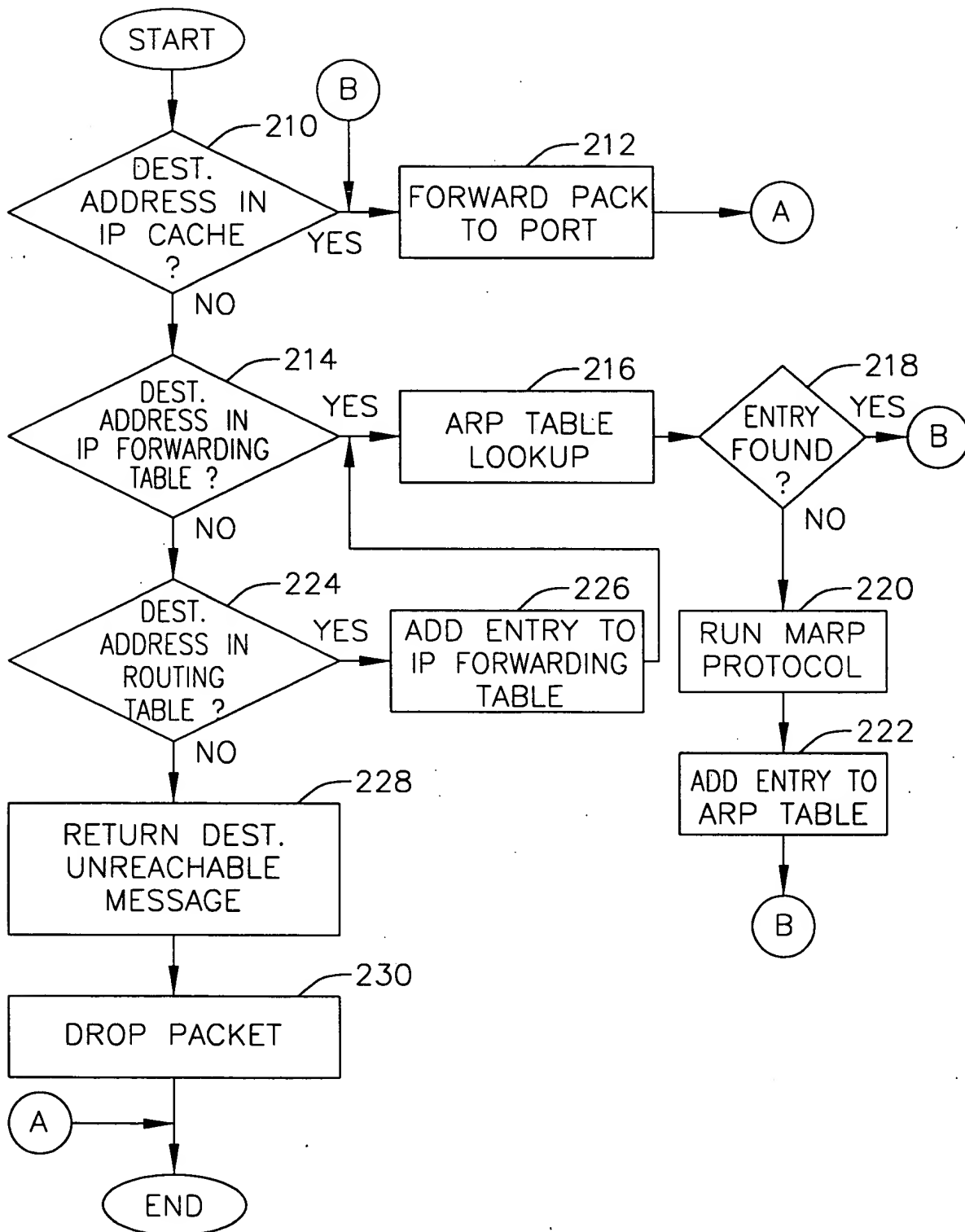


FIG. 10

DOMAIN NAME	NEXT HOP ROUTER
ISP1	206.169.142.9
ISP2	206.169.114.17
...	...
ISPN	206.169.152.3

FIG. 11

291	SEARCH KEY	CALLED-NUM.
292	SOURCE LINK	N/A
293	SOURCE CHANNEL	N/A
294	CALL TYPE:	MODEM
296	SERVICE TYPE:	PPP
298	QUALITY OF ACCESS:	1
300	QUALITY OF SERVICE:	1
302	VR ID:	1
304	VPN ID:	111
306	AUTH. SOURCE:	RADIUS
308	PRY DNS ADDR:	206.169.25.3
310	SCRY DNS ADDR:	206.169.25.100
312	PRY RADIUS SRVR:	10.1.125.26
314	SCRY RADIUS SRVR:	10.1.6.15
316	PHONE NUMBER	555-5555
311	DOMAIN ID	001

290

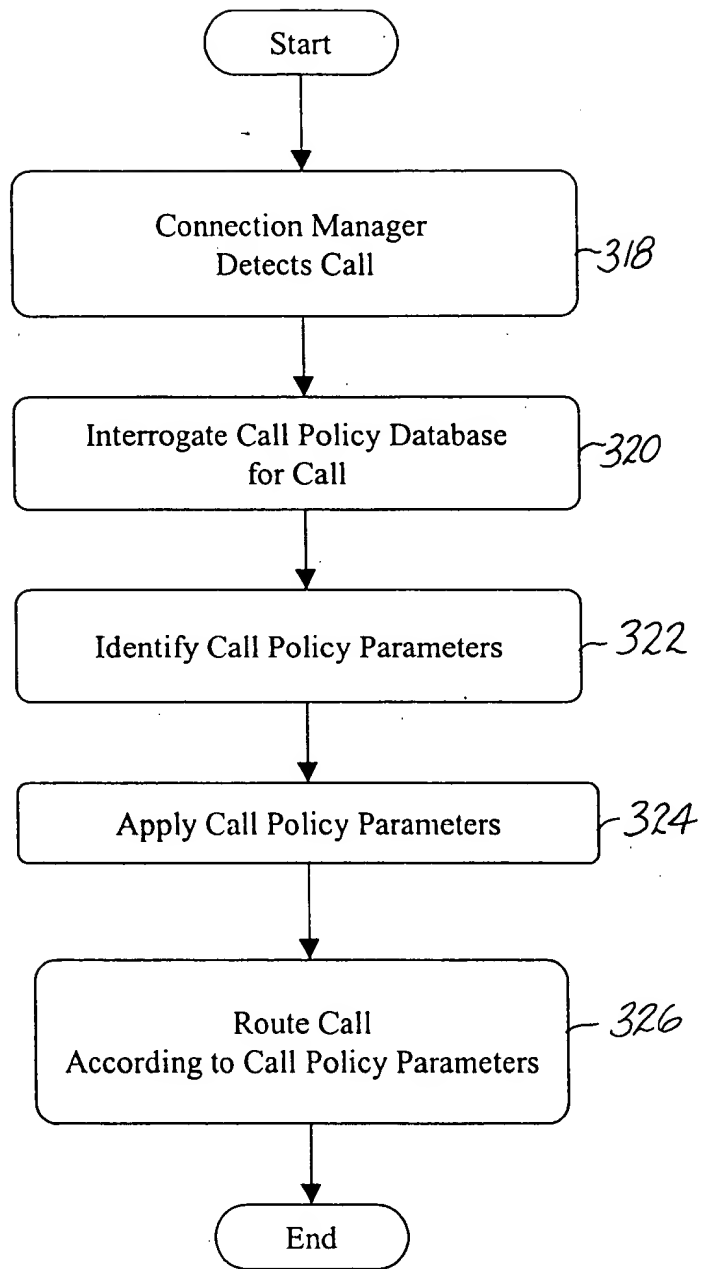


Fig. 12

FIG. 13

QoA LEVEL	ACCESS THRESHOLD
1	100 %
2	75 %
3	50 %
4	25 %

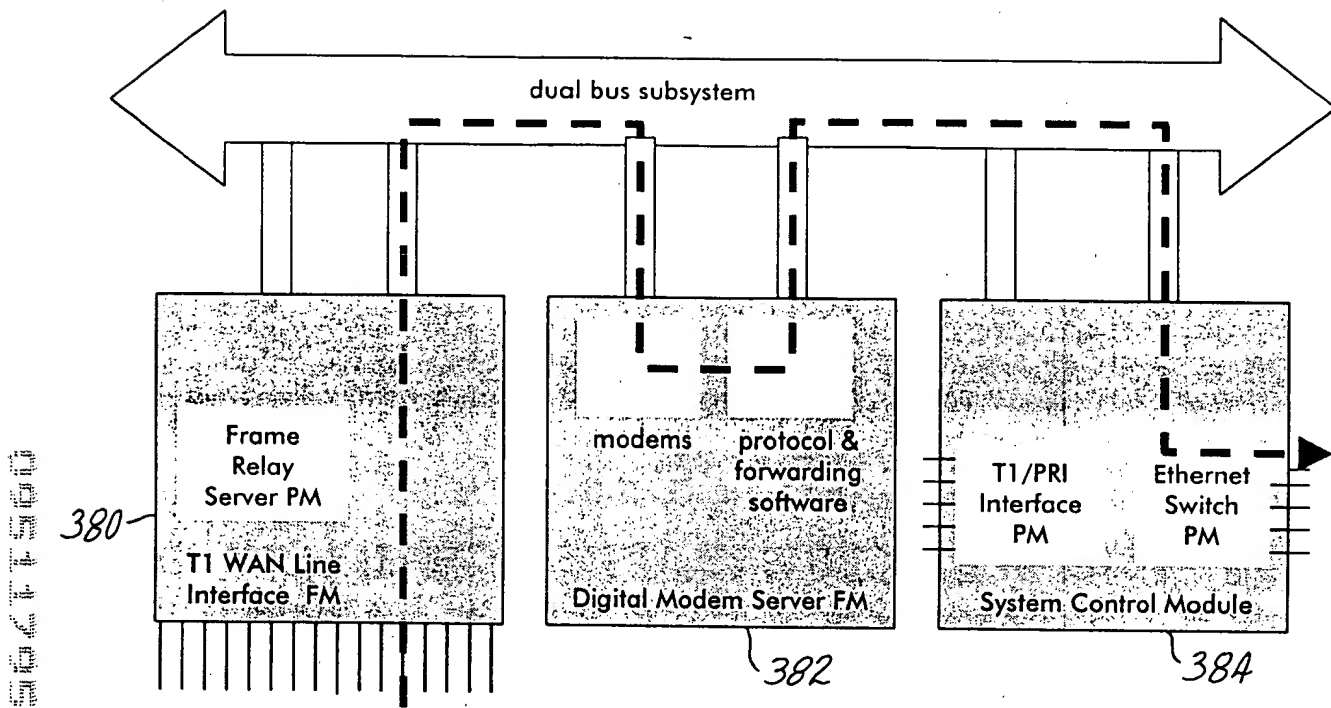


Fig. 14

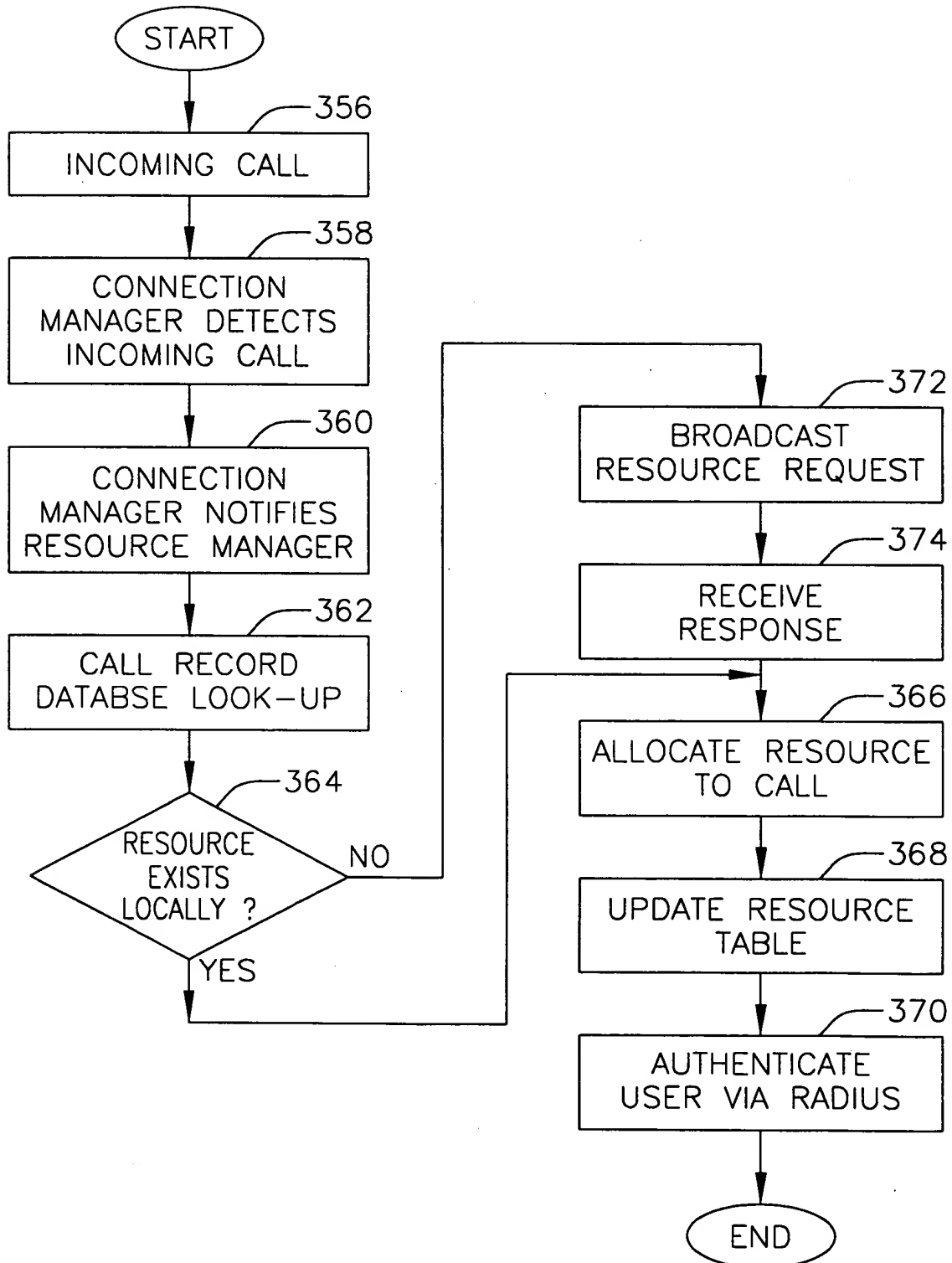
MODEM RESOURCES

336 VR ID = 111
 338 Max Local Resources = 32
 340 Max Global Resources = 32
 342 Current Local Resources = 29
 344 Current Global Resources = 29

346 QOA	LOCAL QOA	GLOBAL QOA	ACCEPT LOCAL	ACCEPT GLOBAL
	348	350	352	354
1	0	0	YES	YES
2	8	8	YES	YES
3	16	16	YES	YES
4	24	24	YES	YES

Fig. 15

FIG. 16



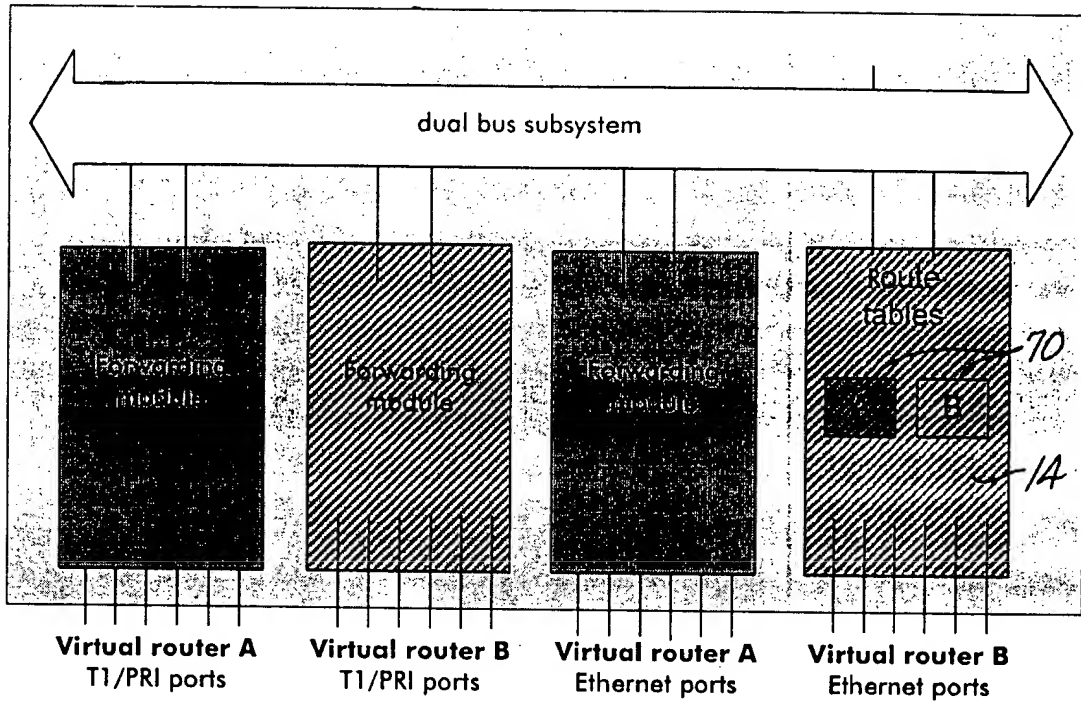


Fig. 17

IP VPN Sessions:

Fig. 18

254

256-

1	1	Fwd	tcp	ftp	5	3939981
2	1	Drop	all	-	2	3

PRI-SCM:1.2>=14:netman:ip#

Fig. 19

270,

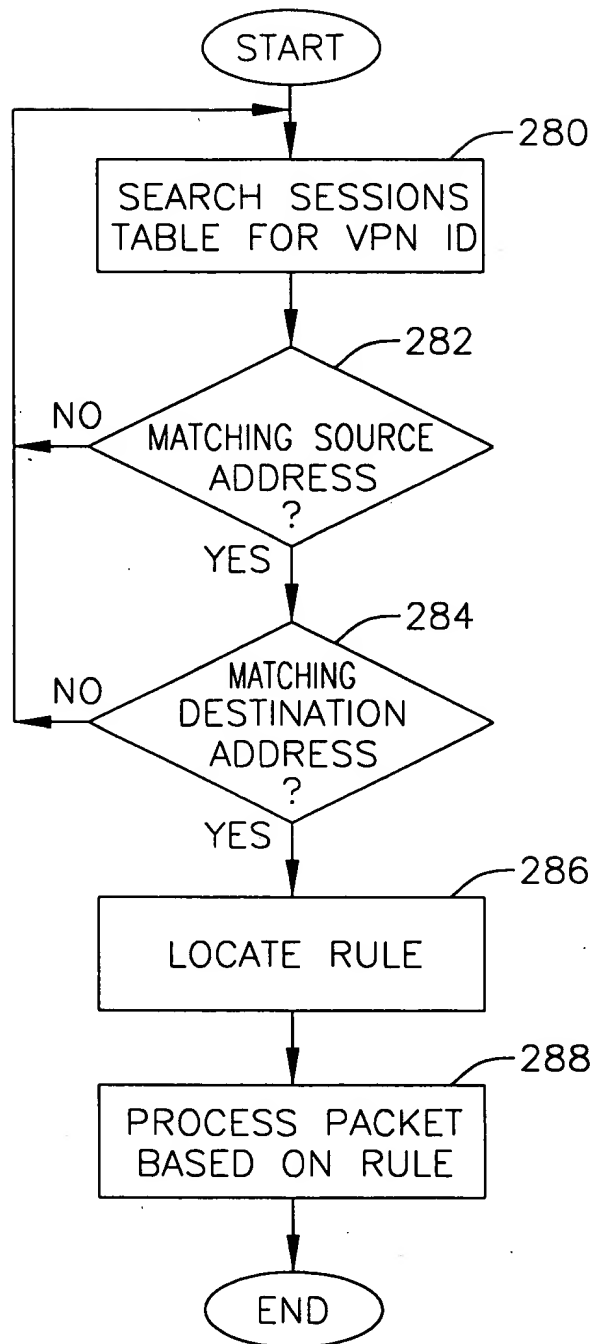
272-

274

PRI-SCM:1.1>=4:netman:ip#

Fig. 20

FIG. 21



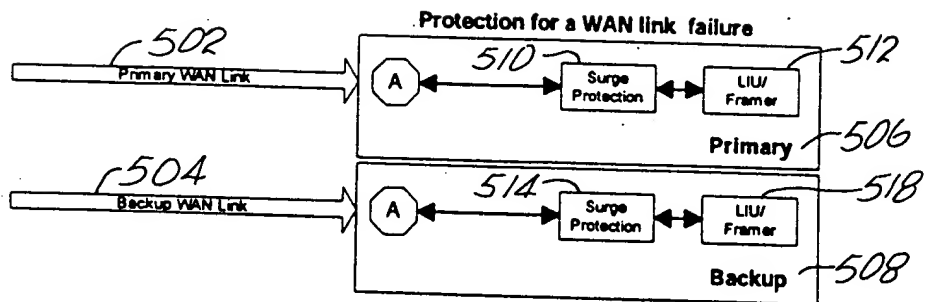


Fig. 22

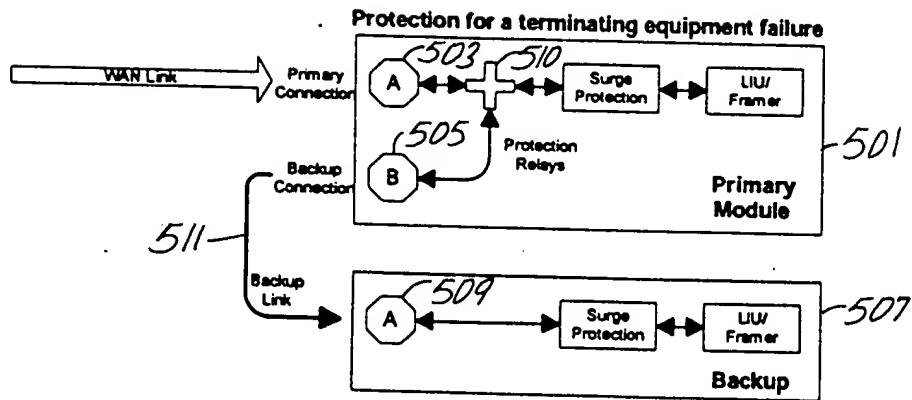


Fig. 23

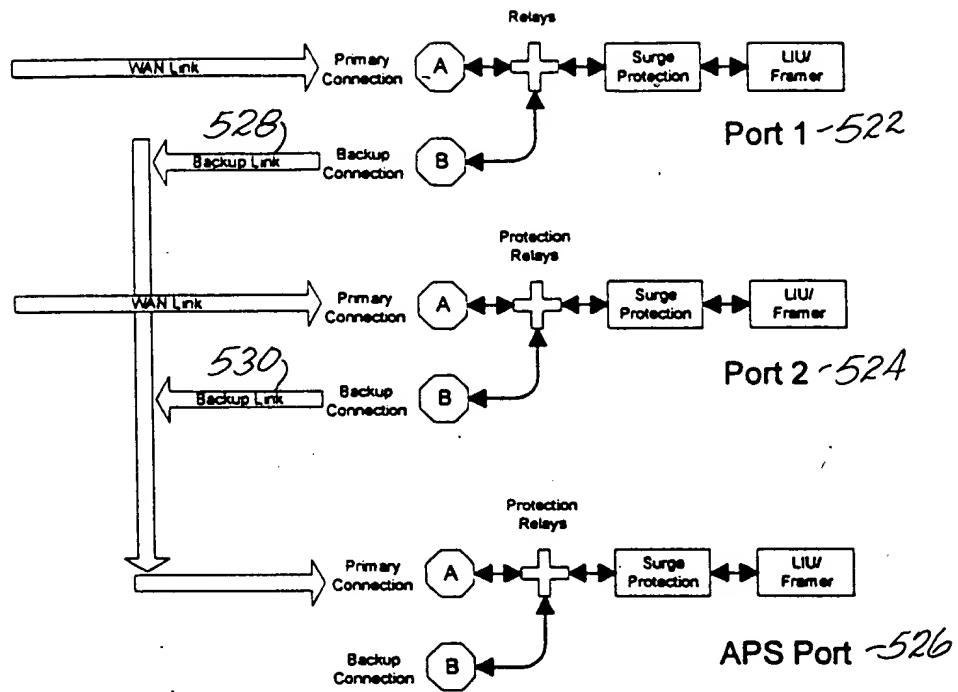


Fig. 24

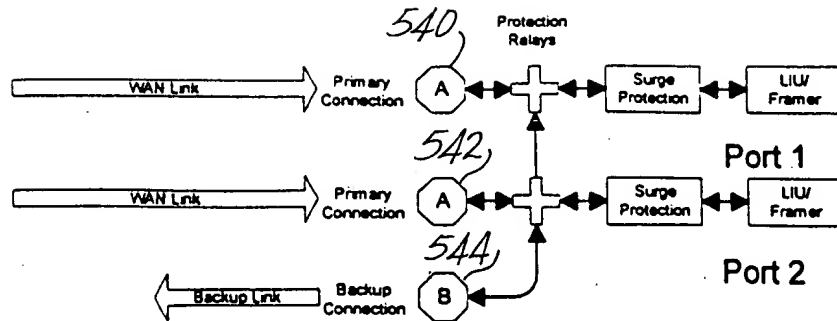


Fig. 25

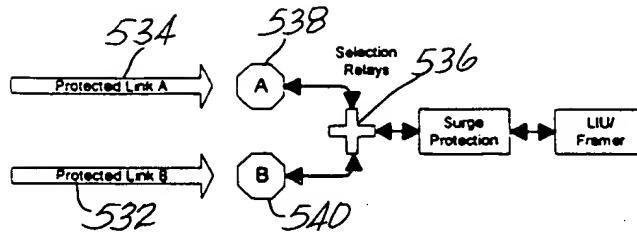


Fig. 26

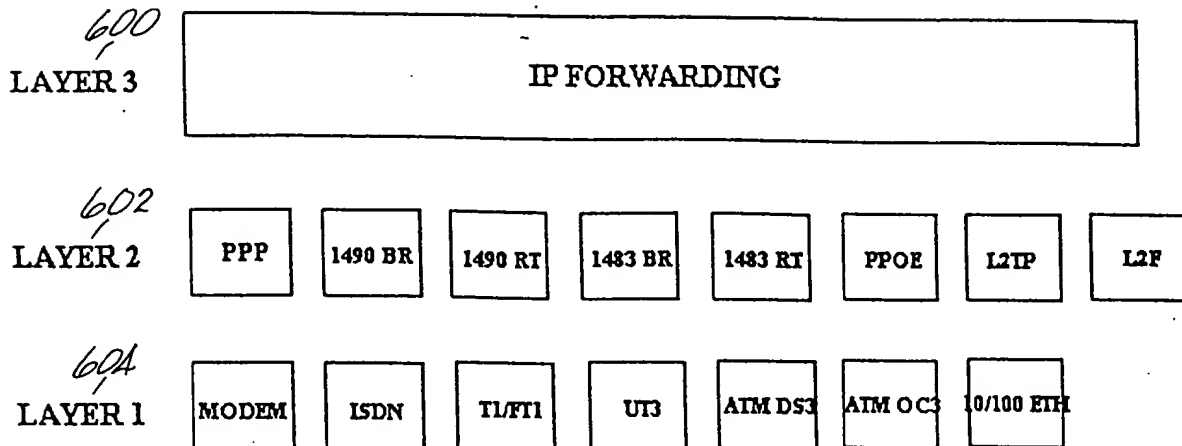
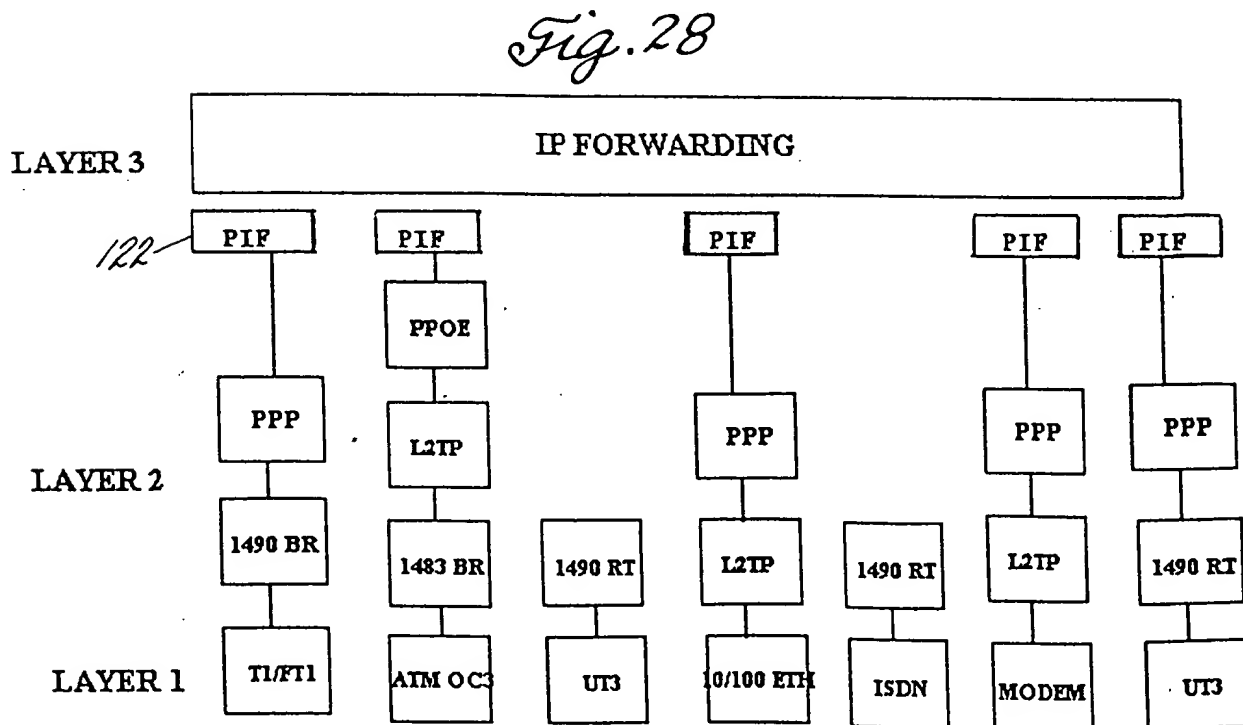


Fig. 27



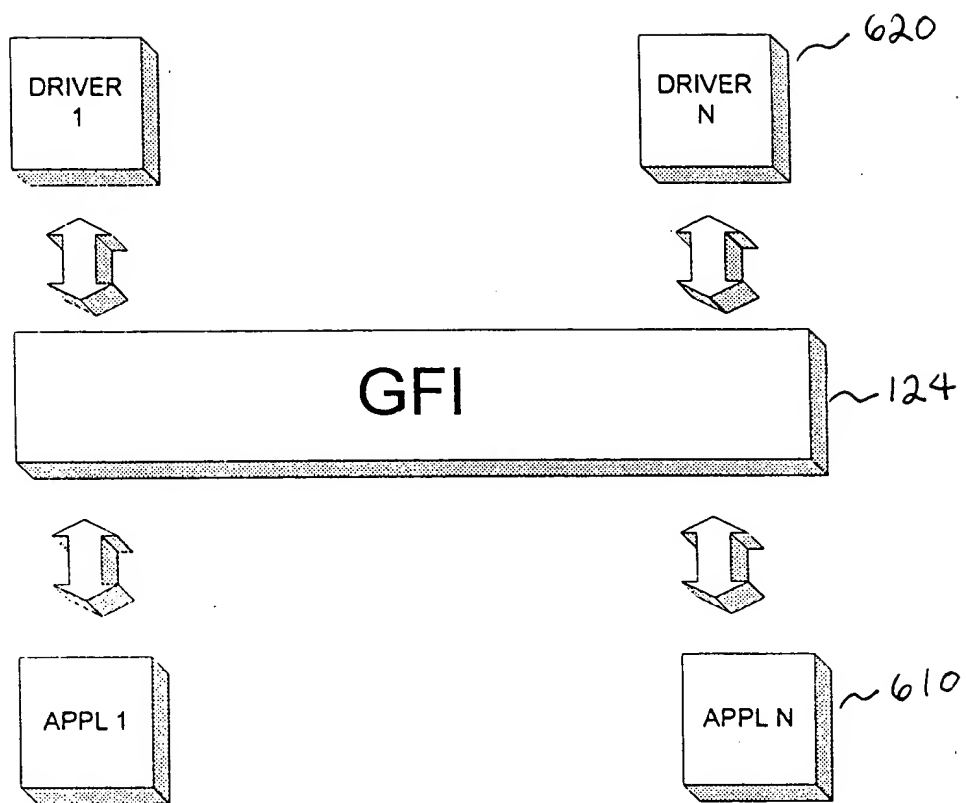


Fig 29

7002

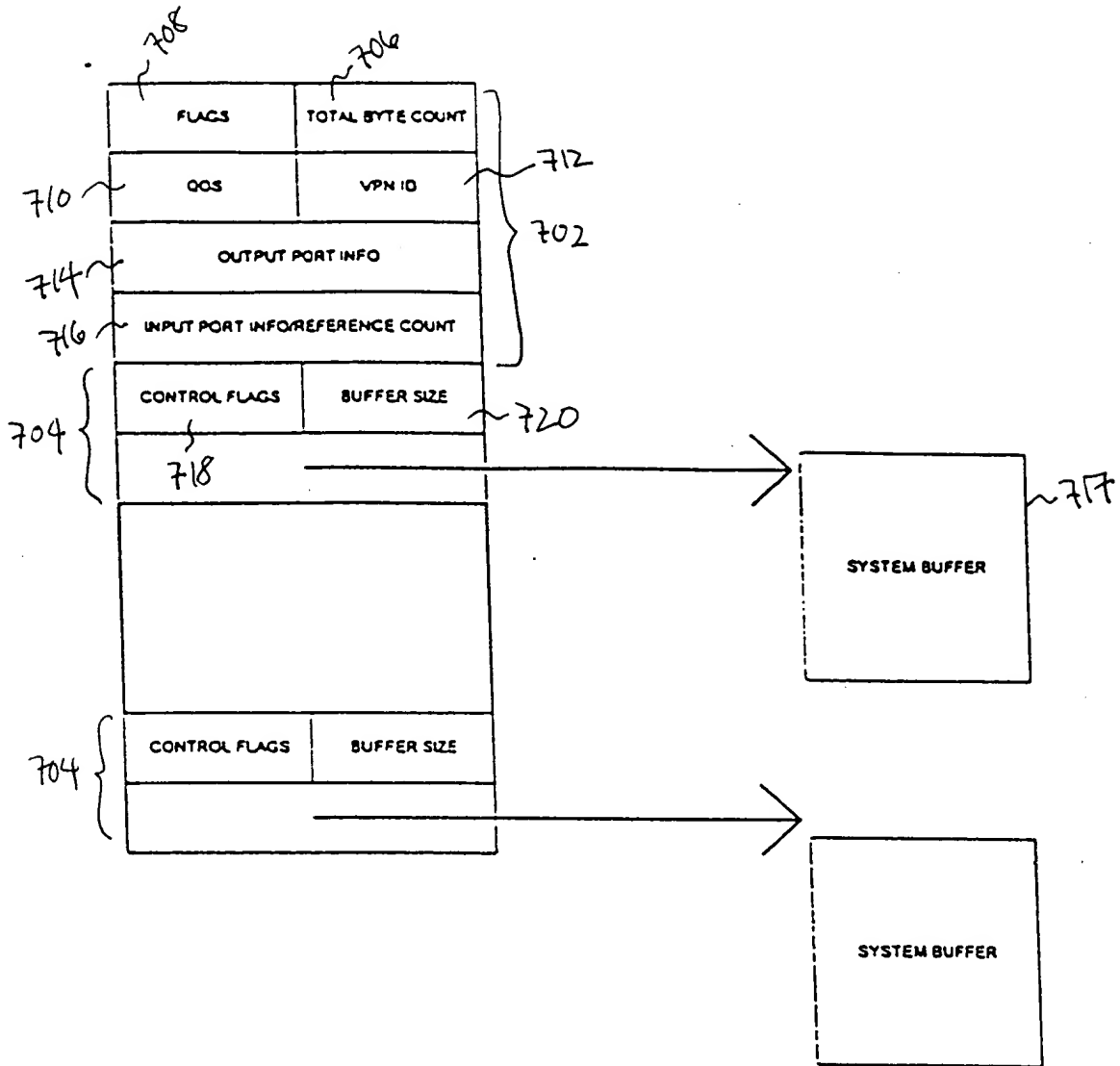


Fig 30

	CHASS	SLOT	PM	CONT	PORT NUM
--	-------	------	----	------	----------

Fig 31

PPA

	CHASS	SLOT	PM	LINK	CHAN NUM
--	-------	------	----	------	----------

Fig 32

INPUT PORT FORMAT

28 27				24 23 22 21				18 17		12 11	
S	P	A	R	P	O	R	T	T	Y	P	E
C	H	A	S	S	C	A	R	D	C	O	N
T	R	O	L	L	E	R	P	O	R	T	

↑
716

Fig 33

OUTPUT PORT FORMAT

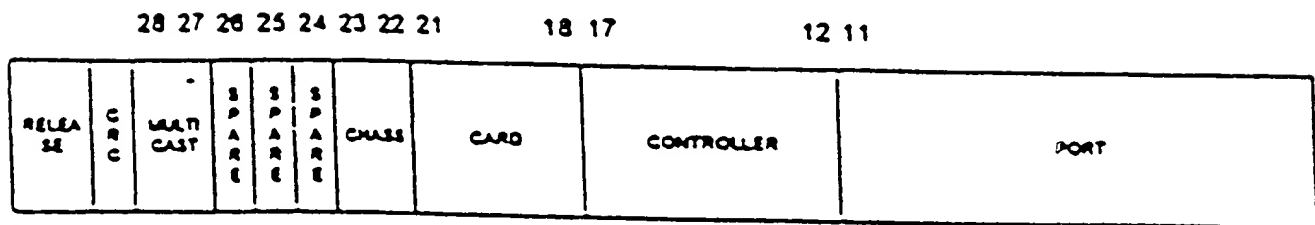


Fig 34

714

Port Addr Range	Type	Chass	Card	Control
0-19	Well Known Internal Multicast Address	NA	NA	0
20-39	Well Known Internal Unicast Address	NA	Card Num	0
40-79	Well Known External Multicast Address	NA	NA	0
80-511	Dynamic External Multicast Address	NA	NA	0
512-2048	Remote Port Address	Chass Num	Card Num	0

Fig. 35

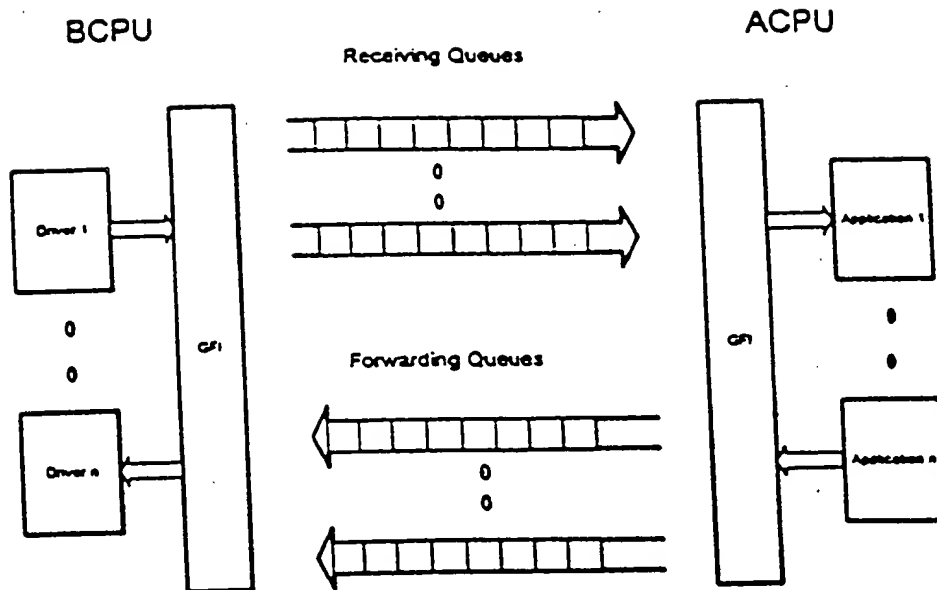


Fig. 36